



5. (AMENDED) A method as claimed in claim 1, wherein the transmission power is increased by a small predetermined amount when said pseudo errors are detected.

6. (AMENDED) A method as claimed in claim 1, wherein

- using forward error correction (FEC) in the transmitted signal,
- decoding the signal at the receiving end by means of a FEC decoder, and
- interpreting the corrections made by the decoder as pseudo errors.

7. (AMENDED) A method as claimed in claim 1, wherein using at the receiving end a demodulator provided with a first set of thresholds for making a decision on a received symbol and a second set of thresholds for making a decision on whether a pseudo error has occurred.

8. (AMENDED) A method as claimed in claim 1, wherein the further steps of

- monitoring the rate of actual errors at the receiving end, and
- increasing the transmission power temporarily to the maximum transmission power when a predetermined error rate threshold is exceeded.

9. (AMENDED) A radio system including

- at a receiving end first means (SMa, SMb, 15a, 15b) for monitoring signal quality and for producing a control signal on the basis of the monitored signal quality, and
- at a transmitting end second means (15a, 15b) for adjusting the transmission power in response to said control signal,

wherein

said first means being adapted to monitor the occurrence of pseudo errors and to produce a control signal indicating when the pseudo errors are detected and when the rate of the pseudo errors is below a predetermined threshold, whereby said second